

BTEC Assignment Brief

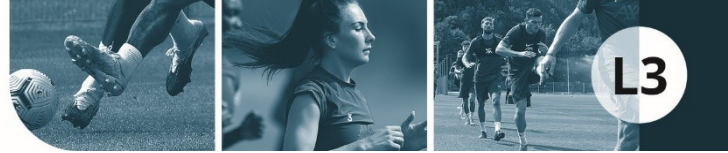
Qualification	Pearson BTEC International Level 3 Qualifications in Sport
Unit number and title	Unit 31: Influence of Technology in Sport and Physical Activity
Learning aim	Learning Aim A: Explore how different types of technology are used in sport and physical activity
Assignment title	A report on the types and use of technology in sport and physical activity.
Assessor	
Issue date	
Hand in deadline	

Vocational Scenario or Context	You are a member of a local hockey club and enjoy training and competing in your sport. The senior club members know that you are studying Sport at college and have asked you to share your knowledge by writing a report, on the types and use of sports technology. They are keen to learn more about the topic and to explore how all club members would benefit from knowing about the types of technology in hockey and how best to use them.
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Task 1	A report detailing the different types and use of technology in sport and physical activity. You have been asked to produce a report which you can deliver to the senior hockey club members which includes information about the different types of technology available for all the club members. You should also cover the impact of these different types of technology and identify how technology can be used to improve performance or experience in hockey. Within the report you should focus on including relevant information to support your opinion on the relative significance of the different types and use of technology in hockey. You should make evaluations that will show comprehensive coverage of all areas listed in the sections below and where possible cite current research. The report should be split into two sections and contain the following information: Section 1: Types of technology • Equipment and clothing: - o Clothing - o sports-specific equipment
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o disability equipment/assistive technology o personal equipment o facilities Section 2: How technology is used • Performance analysis equipment • Individual and team technical analysis • Ergogenic aids to improve performance • Video analysis and software • Broadcasting • Analysing performance • Fitness tracking • Assessing fitness levels • Informing fitness programmes • General fitness • Enforcement of laws • Spectating and officiating You should research the sections to gain information which you can then evaluate and use to form judgements.	
Criteria covered by this task:	
Unit/Criteria reference	To achieve the criteria, you must show that you are able to:
A.P1	Explore the types of technology in relation to sport and physical activity.
A.P2	Explore the uses of technology in sports
A.M1	Assess how three different types of technology have been used in sport and physical activity.
A.D1	Evaluate how different technology has impacted a sport and physical activity, identifying how technology can be used to improve performance or experience in a selected sport or physical activity.
Checklist of evidence required	A report detailing the different types and use of technology in sport and physical activity, covering the following areas: • Types of technology • How technology is used
Sources of information to support you with this Assignment	Textbooks Adams, M. et al – <i>BTEC Level 3 National Sport (Performance and Excellence) Student Book</i> (Pearson, 2016) ISBN 9781292134000 Fridell, R. – <i>Sports Technology</i> (Lerner, 2009) ISBN 9780822575870 Fuss, F. K., Subic, A., Strangwood, M. & Mehta, R. - <i>Routledge Handbook of Sports Technology and Engineering</i> (Routledge, 2013) ISBN 9780415580458 Marinho, D. A. & Neiva, H. P - <i>The Use of Technology in Sport: Emerging Challenges</i> (IntechOpen, 2018) ISBN 9781789844825



	Journals <i>Exercise and Sport Sciences Reviews</i> (Lippincott Williams & Wilkins) <i>Sports Technology</i> (Taylor and Francis) <i>International Journal of Sports Science & Coaching</i> Videos https://barcainnovationhub.com/monitoring-technologies-for-sports-analysis/ https://digitalsport.co/why-technology-has-a-powerful-impact-on-sport-today https://www.youtube.com/watch?v=ZaalIEANc0I http://10passmdcc.weebly.com/term-4-technology-participation-and-performance.html Websites https://sportstechnologyblog.com/ https://www.sporttechie.com/ https://sporttomorrow.com/10-striking-predictions-about-future-of-sports/ https://thefutureishere.economist.com/ https://ventsmagazine.com/2020/02/10/the-future-of-sports-technology/
Other assessment materials attached to this brief	